

# **SDMS US EPA REGION V -1**

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1615-86

# ENVIRONMETRICS

RIEDEL ENVIRONMENTAL SERVICES  
500 EASTERN AVENUE  
BENSONVILLE, IL 60106

2345 Millpark Drive  
Maryland Heights, MO 63043-3529  
(314) 427-0550

ATTN: MARK DOUGLAS

INVOICE # 32725  
PROJECT # 8168, SAUGET - SITE G

SEMIVOLATILE ORGANIC COMPOUNDS  
METHOD SW-846 8270

SAMPLE ID: METHOD BLANK  
LAB ID: SASBLK6492

CAS NUMBER

87-86-5 Pentachlorophenol

PRACTICAL  
QUANTITATION

LIMIT

1,700 µg/kg

RESULTS

U µg/kg

U = UNDETECTED  
B = PRESENT IN BLANK  
J = DETECTED, BUT BELOW PRACTICAL  
QUANTITATION LIMIT  
DATE COLLECTED : ---  
DATE RECEIVED : ---  
DATE EXTRACTED : 6/28/95  
DATE ANALYZED : 6/29/95  
ANALYST : L.C.

JULY 7, 1995

*Wayne L. Cooper*  
WAYNE L. COOPER *WLC*  
LABORATORY DIRECTOR

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INVOICE # 32725  
PROJECT # 8168, SAUGET - SITE G

## SEMIVOLATILE ORGANIC COMPOUNDS METHOD SW-846 8270

SAMPLE ID: MONSAN-PENTA  
LAB ID: 9506/470-001

<u>CAS NUMBER</u>		<u>PRACTICAL QUANTITATION LIMIT</u>	<u>RESULTS</u>
87-86-5	Pentachlorophenol	460,000,000 µg/kg	790,000,000 µg/kg

U = UNDETECTED  
B = PRESENT IN BLANK  
J = DETECTED, BUT BELOW PRACTICAL  
QUANTITATION LIMIT  
DATE COLLECTED : 6/22/95 13:30  
DATE RECEIVED : 6/26/95 16:29  
DATE EXTRACTED : 6/28/95  
DATE ANALYZED : 7/05/95  
ANALYST : L.C.

JULY 7, 1995

*W L Cooper*  
WAYNE L. COOPER *WLC*  
LABORATORY DIRECTOR

# CASE NARRATIVE

## REQUIREMENTS FOR ANY QA/QC LEVEL

Please Note: If a CLP Package or the USEPA QA/QC Reporting Package known as "Quality Assurance/Quality Control - Guidance for Removal Activities" is requested all QA/QC reporting documentation required in those documents takes precedence over these requirements.

### General Requirements/Information (Required for all QA/QC Levels)

1. Date sampled 4/22/95 Date received 4/26/95
2. Number of samples received 1
3. Sample description soil
4. Sample preparation date —  
Date extracted (if applicable) 4/28/95
5. Date analyzed 7/5/95 Time analyzed 13:03 - 15:17  
Analyst DNC
6. Did Riedel indicate a specific method? Yes ☒ No ☐  
a. If Yes, what was that method? SW-846 8270
7. Did Riedel specify additional QA/QC requirement beyond the minimum and mandatory items? Yes ☒ No ☐  
If yes, please specify. MS/MSD  
a. What QA/QC level was requested? Riedel level II Used by lab? —  
Environmental level 4  
b. If lab used a different QA/QC level than requested by Riedel, an explanation must be supplied by lab. Equivalent

### QC Remarks (Required as relates to QA/QC level requested)

1. Were holding times met? Yes ☒ No ☐ If No, why? —
2. Test Methods
  - a. Parameters Semivolatiles - BNA
  - b. Approved Methods SW-846 8270
  - c. Was a cleanup method requested for Semi-Volatile Organic Analyses?
    1. Yes ☐ No ☒
    2. If No, what method was used and why? —
    3. If Yes, identify method used? —

3. Were peak resolutions (i.e. Chromatograms) requested? Yes    No    If Yes, please comment:
4. Initial calibration (% Relative Standard Deviation) 30%
5. Has continuing calibration (% difference) been requested? If yes, indicate % difference. 20%
6. Were all Matrix Spikes/Matrix Spike duplicates < 20% RSD? Yes    No ✓
- a. If Yes, indicate I.D. No. and %.
- b. If No, indicate I.D. No. and %, plus why the < 20% RSD was not obtained.  
- MS/MSD diluted out due to high level contamination.
7. Were surrogates run for Organic Analyses? Yes ✓ No
- a. If Yes, indicate type and recovery (Min. Recovery is 80%). see forms
- b. If not, indicate why not.
- c. If min. recovery was not obtained, indicate why not? no - surr. diluted out.
8. Please provide the following as applicable.
- a. Minimum Detection Limits: see forms
- b. Estimated Quantitation Limits: see forms
- c. Dilution Factor: see forms
9. Were any other anomalies encountered during the analysis? Yes ✓ No
- a. If Yes, type: high Pentachlorophenol level high Dilution
- b. If Yes, why were they observed? high Pentachlorophenol level - only cupl. of interest
10. Was this laboratory work performed under either "Minimum and Mandatory Contractual Terms for Analytical Laboratories not on the Pre-Approved Midwest/Great Lakes Region Acceptance List" or a "Master Subcontract" with your laboratory, specifically for ERCS Region V? Yes X No
- a. If yes, Environmetrics states that the USEPA document known as "Quality Assurance/Quality Control Guidance for Removal Activities, Sampling QA/QC Plan and Data Validation Procedures Interim Final EPA/540/G-90/004 April 1990" was utilized as guidance in the review and validation of all data for this project.
11. **WARNING!! NO DATA SHALL BE RELEASED** verbally, written, or otherwise to any authorized representative of Riedel Environmental Services, Inc. or their client that does not meet or exceed the QA/QC levels established in any written or verbal RFP for this project, or the requirements for any and all SW 846 Methods or EPA Methods utilized for this project.

Any incorrect data that is released to any authorized Riedel Environmental Services, Inc. representative or their client that causes improper site related work or disposal decisions to be made by Riedel Environmental Services, Inc. or their client, will cause Environmetrics to be completely liable for all costs associated with those decisions.